

RESPONSE TO ELECTION OF SPECIES REQUIREMENT
U.S. Appln. No. 10/049,670 (Q68310)

REMARKS

On page 2 of the Office Action, the Examiner contends that Applicants have not fully responded to the previous Office Action (Election of Species Requirement), i.e., a targeting molecule "TM" was not specified. Also, the Examiner states that the intermediate compound 19, on page 130, is not clearly presented, i.e., it is unclear as to the actual components and bonding of the compound.

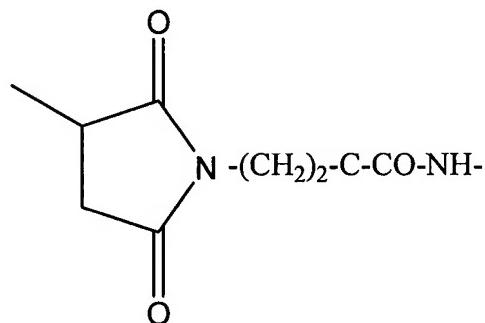
Accordingly, Applicants hereby elect, as the TM, a Fab' fragment (see Claim 57), and specifically if needed a Fab' fragment of OKT3 antibody. This is the targeting molecule illustrated in Section 3 at pages 131 et seq of the present application. Election is made with traverse as the specific TM is not critical to the present invention, and it would not be an undue burden to search additional TMs.

The Examiner is requested to note that the antibody fragment couples to the terminal maleimido group at the left-hand side of the molecule shown for Intermediate 19 on page 130 of the present specification. The mode of coupling is clearly shown at page 22, line 22 of the present specification, where the wavy line represents the coupled targeting molecule. It would be appreciated by one skilled in the art that the additive coupling reaction leads to loss of the double bond from the maleimido ring.

To be strictly accurate, the elected L⁴ group should therefore be shown as including the maleimido residue, i.e., as at page 22 line 22, but preferably omitting the wavy line and inverting the formula left to right to fit in with the ordering in Formula 2a (see the drawing below).

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The Examiner is invited to contact the undersigned at his Washington telephone number on any questions which might arise.

Respectfully submitted,



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